

8/26/03

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/067,406

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A polymer mixture of a thermoplastically processable fluoropolymer and a sulfur polymer, wherein the sulfur polymer component in the polymer mixture is 0.1 to 20% by weight.
2. (currently amended): A polymer mixture as claimed in claim 1, characterized in that the sulfur polymer component is between 10 and 20%, ~~preferably between 15 and 20%~~.
3. (original): A polymer mixture as claimed in claim 1, characterized in that the fluoropolymer is a tetrafluoroethylene-perfluoropropylene copolymer (FEP).
4. (original): A polymer mixture as claimed in claim 1, characterized in that the fluoropolymer is an ethylene-tetrafluoroethylene copolymer (ETFE).
5. (original): A polymer mixture as claimed in claim 1, characterized in that the sulfur polymer is polyphenylene sulfide (PPS).

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6. (original): A polymer mixture as claimed in claim 1, characterized in that the sulfur polymer is polysulfone (PSU).
7. (original): A polymer mixture as claimed in claim 1, characterized in that the sulfur polymer is polyether sulfone (PES).
8. (original): A polymer mixture as claimed in claim 1, characterized in that the polymer mixture contains one or more of the sulfur polymers.
9. (original): An insulating layer on an electric line, comprising a polymer mixture as claimed in claim 1.
10. (original): A sheathing mixture for electrical cables or lines, comprising a polymer mixture as claimed in claim 1.

What is Claimed is:

1. A polymer mixture of a thermoplastically processable fluoropolymer and a sulfur polymer, wherein the sulfur polymer component in the polymer mixture is 0.1 to 20% by weight.
2. A polymer mixture as claimed in Claim 1, **characterized in that** the sulfur polymer component is between 10 and 20%, preferably between 15 and 20%.
3. A polymer mixture as claimed in Claim 1, **characterized in that** the fluoropolymer is a tetrafluoroethylene-perfluoropropylene copolymer (FEP).
4. A polymer mixture as claimed in Claim 1, **characterized in that** the fluoropolymer is an ethylene-tetrafluoroethylene copolymer (ETFE).
5. A polymer mixture as claimed in Claim 1, **characterized in that** the sulfur polymer is polyphenylene sulfide (PPS).
6. A polymer mixture as claimed in Claim 1, **characterized in that** the sulfur polymer is polysulfone (PSU).
7. A polymer mixture as claimed in Claim 1, **characterized in that** the sulfur polymer is polyether sulfone (PES).

8. A polymer mixture as claimed in Claim 1, **characterized in that** the polymer mixture contains one or more of the sulfur polymers.

9. An insulating layer on an electric line, comprising a polymer mixture as claimed in Claim 1.

10. A sheathing mixture for electrical cables or lines, comprising a polymer mixture as claimed in Claim 1.